



# Certificate of Analysis

...Pure Quality

Product Name: **Methanol**

Application: UHPLC-MS, LC-MS, HPLC, Trace, ACS

Product Number:	CP-C9635	Formula:	CH <sub>3</sub> OH
CAS Number:	67-56-1	Formula Weight:	32.04 g/mol
Lot Number:	SHBN0371CP	Density:	0.7913 g/cm <sup>3</sup>
Manufactured Date:	Jan 13, 2021	Retest Date:	Jan. 12, 2024
MDL No:	MFCD00004595	Storage:	<b>RT, Red-Flammable</b>
EC Number:	200-659-6	DOT/RID/ADR	UN1230 3 / PGII

Test	Specification	Result
Appearance(Clarify)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance(Form)	Liquid	Liquid
Infraredspectrum	Conforms to Structure	Conforms to Structure
UV Absorbance260nm	< 0.007	0.003
UV Absorbance230nm	≤ 0.100	0.061
UV Absorbance220nm	≤ 0.300	0.134
UV Absorbance210nm	≤ 0.500	0.319
UV Absorbance205nm	≤ 1.000	0.683
Water(by Karl Fischer)	≤ 0.02 %	< 0.01 %
Residue on Evaporation	≤ 0.0005 %	< 0.0001%
Purity(GC)	≥ 99.92 %	99.99%
HPLC Absorbance 230 nm	≤ 0.002 Abs UN	< 0.001 Abs UN
HPLC Absorbance 254 nm	≤ 0.001 Abs UN	< 0.001 Abs UN
Free Acid as Formic Acid	≤ 0.001%	0.001 %
Alkalinity as NH <sub>3</sub>	≤ 0.0005%	0.0001 %
Fluorescence 254nm as Quinine	≤ 1 ppb	< 1 ppb
Fluorescence 365nm as Quinine	≤ 1 ppb	< 1 ppb
LCMS SUITABILITY CONFIRMED	Suitable	Suitable
Trace Metal Analysis	Complete	Complete
Aluminum	≤ 50 ppb	< 1 ppb
Cadmium	≤ 50 ppb	< 1 ppb
Calcium	≤ 50 ppb	3 ppb
Chromium	≤ 15 ppb	< 1 ppb
Cobalt	≤ 15 ppb	< 1 ppb
Copper	≤ 10 ppb	< 1 ppb
Iron	≤ 50 ppb	< 1 ppb
Magnesium	≤ 50 ppb	1 ppb
Manganese	≤ 10 ppb	< 1 ppb
Potassium	≤ 50 ppb	2 ppb
Silver	≤ 50 ppb	< 1 ppb
Sodium	≤ 50 ppb	6 ppb
Tin	≤ 50 ppb	< 1 ppb
Zinc	≤ 50 ppb	< 1 ppb

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*It is certified the above copy is a true copy of the actual lot analysis from the manufacturer,*

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